

## EAST Search History

S81	628379	planar\$5	US-PGPUB; USPAT; USOCR; EPO; DERWENT ; IBM_TDB	AND	ON	2007/02/05 09:49
S82	7	(US-20020074575-\$).did. or (US-6417561-\$ or US-6153443-\$ or US-6114719-\$ or US-5650958-\$ or US-6178112-\$ or US-4566941-\$).did.	US-PGPUB; USPAT	AND	ON	2007/02/05 09:49
S83	17	(US-20010025978-\$ or US-20020044396-\$).did. or (US-6297983-\$).did. or (EP-1248305-\$). did. or (JP-2002009367-\$ or JP-2002124717-\$ or JP-2002208682-\$ or JP-11330585-\$ or JP-2003243630-\$ or JP-10004227-\$).did. or (EP-1248305-\$ or JP-2002124717-\$ or US-20020093845-\$ or JP-2002009367-\$ or JP-11330585-\$ or WO-2003069674-\$ or US-5650958-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/05 09:49
S84	7	S81 (S82 or S83)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/05 09:49
S85	3680	magnet\$3 (ferro?magnet\$3) (ferromagnet\$3) (ferro adj magnet\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 11:40
S86	1270232	sidewall or side?wall or (side adj wall)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 11:43
S87	0	memory and ((magnet\$3 (ferro?magnet\$3) (ferromagnet\$3) (ferro adj magnet\$3) ) with (sidewall or side?wall or (side adj wall) ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 11:39
S88	11	((magnet\$3 (ferro?magnet\$3) (ferromagnet\$3) (ferro adj magnet\$3) ) with (sidewall or side?wall or (side adj wall) ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 11:43

## EAST Search History

S89	1712	memory and ((magnet\$3 (ferro?magnet\$3) (ferromagnet\$3) (ferro adj magnet\$3) ) with (sidewall or side?wall or (side adj wall) ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/17 11:40
S90	2097269	magnet\$3 (ferro?magnet\$3) (ferromagnet\$3) (ferro adj magnet\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/17 11:40
S91	217	gmr S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:10
S92	80	(spin adj valve) same S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:05
S93	217	gmr S89 S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:27
S94	218	mtj S89 S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:27
S95	151	S94 not S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:36
S96	12557	tunnel\$3 with S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:36

## EAST Search History

S97	172	tunnel\$3 with S90 with S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:36
S98	64	S97 not (S94 or S93)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:38
S99	0	JP-2002011281.ap,.prai.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:38
S100	0	JP-20020011281.ap,.prai.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:38
S101	0	JP-20020011281.ap,prai.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:38
S102	0	JP-2002011281.ap,prai.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:38
S103	0	JP-200200011281.ap,prai.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:38
S104	2	JP-2003218431-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 15:39

## EAST Search History

S105	2	"20020146851".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/09/17 16:37
S106	2461	(rectang\$4 circle circular oval square) and (mram )	US-PGPUB; USPAT	OR	ON	2007/09/17 21:45
S107	14	(US-20040113175-\$ or US-20030111626-\$ or US-20030068897-\$ or US-20020146851-\$ or US-20020074575-\$).did. or (US-5804458-\$ or US-6178112-\$ or US-6649953-\$ or US-6417561-\$ or US-6153443-\$ or US-6114719-\$ or US-5650958-\$ or US-4566941-\$).did. or (JP-2003218431-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/17 21:45
S108	9	(rectang\$4 circle circular oval square) and S107	US-PGPUB; USPAT	OR	ON	2007/09/17 21:46
S109	8	shape and S107	US-PGPUB; USPAT	OR	ON	2007/09/17 21:52
S110	13	".mu.and" S107	US-PGPUB; USPAT	OR	ON	2007/09/17 21:52
S111	1	mu and S107	US-PGPUB; USPAT	OR	ON	2007/09/17 21:52
S112	7306	(257/421 257/288 257/295 257/422 257/423 257/424 257/425 257/426 257/427 257/414 438/197 ).CCLS.	US-PGPUB; USPAT	OR	ON	2007/09/18 19:38
S113	7306	S112	US-PGPUB; USPAT; USOCR; DERWENT	AND	ON	2007/09/18 19:38
S114	2	"6939722".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/15 09:05